Index of Claims

| App | lication | /Contro | l No. |
|-----|----------|---------|-------|
|     |          |         |       |

10/805,724

Date

Examiner

HERBERT J. LILLING

Applicant(s)/Patent under Reexamination

07-11-06BENIGNI\_ET\_AL.

Art Unit

1651

| <b>√</b> | Rejected |
|----------|----------|
|          | Allowed  |

| _ | (Through numeral)<br>Cancelled |
|---|--------------------------------|
| ÷ | Restricted                     |

Claim

| N | Non-Elected  |
|---|--------------|
| ı | Interference |

| A | Appeal   |
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| 0 | Objected |

|                            |  |              |                   |          | -            |              | ı        |             |              |                 |  |  |
|----------------------------|--|--------------|-------------------|----------|--------------|--------------|----------|-------------|--------------|-----------------|--|--|
| Cla                        | im   | Date         |                   |          |              |              |          |             |              |                 |  |  |
|                            |  | -            |                   |          |              | Jace         | -        |             |              | $\vdash$        |  |  |
| Final                      | Original                                     | 7/11/06      |                   |          |              |              |          |             |              |                 |  |  |
| 1                          | 1  | =            |                   | -        | _            | -            | -        |             |              | -               |  |  |
| 2                          | 2  | =            |                   |          |              |              | -        |             | -            | -               |  |  |
| 3                          | 3  | =            | -                 | _        | -            |              |          |             |              |                 |  |  |
| 4                          | 4  | =            |                   |          |              |              |          |             |              |                 |  |  |
| 5                          | 5  | =            |                   |          |              |              |          |             |              |                 |  |  |
| 1<br>2<br>3<br>4<br>5<br>6 | 1<br>2<br>3<br>4<br>5<br>6                   | =            |                   |          |              |              |          |             |              |                 |  |  |
| 7                          | 7  | =            |                   |          |              |              |          |             |              |                 |  |  |
| 8                          |  | =            |                   |          |              |              |          |             |              |                 |  |  |
| 9                          | 8 9  | =            |                   |          |              |              |          |             |              |                 |  |  |
|                            | 10<br>11<br>12<br>13<br>14<br>15<br>16<br>17 |              |                   |          |              |              |          |             |              |                 |  |  |
|                            | 11   |              |                   |          |              |              |          |             |              |                 |  |  |
|                            | 12   |              |                   |          |              |              |          |             |              |                 |  |  |
|                            | 13   |              |                   |          | _            |              |          |             |              |                 |  |  |
|                            | 14   |              |                   |          |              | $oxed{oxed}$ |          |             | _            |                 |  |  |
|                            | 15   |              |                   |          | L            |              |          |             |              |                 |  |  |
|                            | 16   | _            |                   | _        |              |              |          |             | <u> </u>     | Щ               |  |  |
|                            | 17   |              |                   | _        |              | L            | _        |             | <u> </u>     |                 |  |  |
|                            | 18   | _            | _                 |          | _            |              | _        |             | L_           |                 |  |  |
|                            | 19   | _            | _                 |          | _            | _            | <u> </u> | _           | <u> </u>     | Н               |  |  |
|                            | 20   | _            | _                 |          | _            | _            | _        | _           | <u> </u>     | $\vdash$        |  |  |
|                            | 21   | _            | <u> </u>          | <u> </u> |              |              | _        |             | <u> </u>     | Н               |  |  |
|                            | 19<br>20<br>21<br>22<br>23                   |              | -                 | H        |              | -            | <u> </u> | _           | ├            | Н               |  |  |
|                            | 20   | -            |                   | ├        |              | H            | H        | -           | ┝            | Н               |  |  |
|                            | 24<br>25                                     | -            | _                 | -        |              | $\vdash$     | ┢        |             | ├            | Н               |  |  |
|                            | 26   | _            |                   | -        |              |              |          |             | $\vdash$     | Н               |  |  |
|                            | 26<br>27<br>28                               |              |                   | Г        |              |              |          |             |              | П               |  |  |
|                            | 28   |              |                   |          |              |              |          |             |              | П               |  |  |
|                            | 29   |              |                   |          |              |              |          |             | Г            | П               |  |  |
|                            | 30<br>31                                     |              |                   |          |              |              |          |             |              |                 |  |  |
| _                          | 31   |              |                   |          |              |              |          |             |              | Ш               |  |  |
|                            | 32   |              | _                 | L        |              |              |          |             | _            | Ш               |  |  |
|                            | 33   |              | L                 | <u> </u> |              |              | L        | L           | <u> </u>     |                 |  |  |
|                            | 34   | _            | <u> </u>          | _        | _            | _            | <u> </u> | <u> </u>    | <u> </u>     | $\vdash \vdash$ |  |  |
|                            | 35   | -            | -                 |          | <u> </u>     | ⊢            | _        | -           | <u> </u>     | Н               |  |  |
|                            | 36<br>37                                     |              | -                 | -        |              | $\vdash$     | $\vdash$ | -           | $\vdash$     | Н               |  |  |
|                            | 38   | $\vdash$     | $\vdash$          | $\vdash$ | <del> </del> | $\vdash$     | $\vdash$ | $\vdash$    | $\vdash$     | Н               |  |  |
|                            | 38<br>39                                     | -            | <del> </del>      |          | -            | -            | $\vdash$ | <del></del> | $\vdash$     | H               |  |  |
| <b></b> -                  | 40   |              | Н                 |          |              |              | $\vdash$ |             | $\vdash$     | Н               |  |  |
|                            | 41   |              |                   |          |              | Г            |          |             | Г            | П               |  |  |
|                            | 42   |              |                   |          |              |              |          |             |              |                 |  |  |
|                            | 43   |              |                   |          |              |              |          |             |              |                 |  |  |
|                            | 44   | $oxed{\Box}$ | $\overline{\Box}$ | <u> </u> | 匚            | 匚            |          |             | $oxed{\Box}$ | Ш               |  |  |
|                            | 45   |              | <u> </u>          | <u> </u> | <u> </u>     | _            | _        | L.          | <u> </u>     | Щ               |  |  |
| <u> </u>                   | 46   | <u> </u>     | <u> </u>          | <u> </u> |              | <u>L</u>     | _        | _           | <u>L</u>     | Щ               |  |  |
| L                          | 47   |              |                   | <u> </u> | <u> </u>     | <u> </u>     | <u> </u> |             | <u> </u>     | Ш               |  |  |
| $\vdash$                   | 48   | <u> </u>     | <u> </u>          | <u> </u> | <u> </u>     | $\vdash$     | <u> </u> | L           | ⊢            | Щ               |  |  |
| -                          | 49   | <del> </del> | <u> </u>          |          | ⊢            | ├            | <u> </u> |             | ├-           | Н               |  |  |
| ı                          | 50   | l            | ı                 | ı        | 1            | ı            | 1        | 1           | ı            |                 |  |  |

| - 1 |       |                | ┝,        | _                                   |                                     | _                  |   | _               | _                                   |                                     | _        |
|-----|-------|----------------|-----------|-------------------------------------|-------------------------------------|--------------------|---|-----------------|-------------------------------------|-------------------------------------|----------|
|     | Final | Original       |           |                                     |                                     |                    |   |                 |                                     |                                     |          |
|     |       | 51<br>52       |           |                                     |                                     |                    |   |                 |                                     |                                     |          |
| 1   |       | 52             |           |                                     |                                     |                    |   |                 |                                     |                                     | Ĺ        |
| ı   |       | 53<br>54<br>55 |           |                                     |                                     |                    |   |                 |                                     |                                     |          |
| Ì   |       | 54             |           |                                     |                                     |                    |   |                 |                                     |                                     |          |
| 1   |       | 55             |           |                                     |                                     |                    |   |                 |                                     |                                     |          |
| 1   |       | 56<br>57       |           |                                     |                                     |                    |   |                 |                                     |                                     |          |
| -   |       | 57             |           |                                     |                                     |                    |   |                 |                                     |                                     | Ĺ        |
|     |       | 58             |           |                                     | Ĺ                                   | Ľ                  |   |                 |                                     |                                     | L        |
|     |       | 59<br>60       |           |                                     |                                     | $\Box$             |   | $\Box$          |                                     |                                     | Ĺ        |
|     |       | 60             |           |                                     |                                     | Ľ                  | Ĺ                                       |                 |                                     |                                     | Ĺ        |
|     |       | 61             | $\Box$    | Ĺ                                   |                                     | Ĺ                  |   |                 |                                     | $\Box$                              | Ĺ        |
| [   |       | 62<br>63       | $\Box$    |                                     | $\Box$                              |                    | $\square$                               |                 | لَـــا                              |                                     | L        |
|     |       | 63             | $\Box$    |                                     | oxdot                               | $\Box$             | $\Box$                                  |                 |                                     |                                     | Ĺ        |
| [   |       | 64<br>65       | $\Box$    | $\Box$                              | $\Box$                              | ╚                  | $\Box$                                  | تــا            | $\Box$                              | لـــا                               | L        |
|     |       | 65             | لـــا     | تـــا                               | لــا                                | Ĺ                  |   | لــا            | oxdot                               | لـــا                               | Ĺ        |
| [   |       | 66             | $\Box$    | Ĺ                                   | لــا                                | $\Box$             | ـــا                                    | تسا             | LĪ                                  | Ш                                   | Ĺ        |
| [   |       | 67<br>68       | $\Box$    | $\Box$                              |                                     |                    |   |                 | $oxed{oxed}$                        |                                     | L        |
| [   |       | 68             | لـــا     |                                     | ـــا                                | igsqcup            |   |                 | oxdot                               | $\Box$                              |          |
| 1   |       | 69             | $\Box$    | لَـــا                              | تــا                                | $\Box$             | <u> </u>                                | تـــا           | oxdot                               | لـــا                               | <u> </u> |
|     |       | 70<br>71       | آبا       | oxdot                               | $\Box$                              | oxdot              | $\vdash$                                |                 | oxdot                               | oxdot                               | <u> </u> |
|     |       | 71             | تـــا     | oxdot                               |                                     | ـــا               | oxdot                                   | لَـــا          | $\Box$                              | oxdot                               | oxdot    |
|     |       | 72<br>73<br>74 |           | $\Box$                              | $\Box$                              | $\Box$             | Ĺ                                       |                 | $\Box$                              | $\Box$                              | Ĺ        |
| ſ   |       | 73             | $\Box$    |                                     | لـــا                               |                    |   | $\Box$          | $\Box$                              | $\Box$                              | oxdot    |
| -   |       | 74             |           |                                     | Ľ                                   | L                  | Ľ                                       | LĪ              | LĪ                                  | LĪ                                  | Ĺ        |
| Ţ   |       | 75             | $\Box$    | 匚                                   | LĪ                                  | Ĺ                  | L                                       | Ĺ               | Ĺ                                   | Ĺ                                   | Ĺ        |
|     |       | 76<br>77       | $\Box$    | LĪ                                  | ĹĨ                                  |                    |   | oxdot           |                                     | oxdot                               | oxdot    |
| Ţ   |       | 77             | $\Box$    |                                     |                                     | Ĺ                  | Ĺ                                       |                 | oxdot                               | oxdot                               | Ĺ        |
| [   |       | 78<br>79       | $\Box$    | Ĺ                                   | oxdot                               |                    | ــــا                                   | oxdot           | لــا                                | Ĺ                                   | Ĺ        |
| ĺ   |       | 79             | $\Box$    | oxdot                               | oxdot                               | $\Box$             | Ĺ                                       | Ĺ               | oxdot                               | oxdot                               | oxdot    |
|     |       | 80             | $\Box$    | oxdot                               | Ĺ                                   | Ĺ                  | Ĺ                                       | Ĺ               | oxdot                               | oxdot                               | Ĺ        |
| ĺ   |       | 81<br>82       | $\square$ | oxdot                               | $ldsymbol{oxed}$                    | ـــــا             | ـــــــــــــــــــــــــــــــــــــــ | لـــا           | oxdot                               | ـــا                                | ـــــّـ  |
| [   | ]     | 82             | لــــا    | L                                   | $ldsymbol{ldsymbol{ldsymbol{eta}}}$ | <u> </u>           | <u> </u>                                | $\sqcup$        | $ldsymbol{ldsymbol{ldsymbol{eta}}}$ | <u> </u>                            | <u> </u> |
|     |       | 83             | $\Box$    |                                     | $ldsymbol{oxed}$                    | <u> </u>           | <u></u>                                 | $ldsymbol{f L}$ | $\Box$                              | $ldsymbol{ldsymbol{ldsymbol{eta}}}$ | _        |
|     |       | 84             | igsqcup   | $oxed{oxed}$                        |                                     |                    | <u> </u>                                | L               | L                                   | L                                   | L        |
|     |       | 85             | $\square$ | oxdot                               | oxdot                               | $oxedsymbol{oxed}$ | $oxedsymbol{oxed}$                      | Ш               | $\bigsqcup$                         | $oxed{oxed}$                        | <u> </u> |
| - [ |       | 86             | Ш         | $ldsymbol{ldsymbol{ldsymbol{eta}}}$ | oxdot                               | igsqcup            | ldash                                   | oxdot           | L                                   | <u> </u>                            | <u> </u> |
|     |       | 87             | <u> </u>  |                                     | <u> </u>                            | <u> </u>           | <u> </u>                                | $\vdash$        | $\vdash$                            | <u> </u>                            | <u> </u> |
| ļ   |       | 88             | Ш         | _                                   | <u> </u>                            | $\vdash$           | $ldsymbol{f eta}$                       | $\vdash$        | ᆫ                                   | <u> </u>                            | $\vdash$ |
| ļ   |       | 89             | Ш         | $ldsymbol{ldsymbol{ldsymbol{eta}}}$ | $\vdash$                            | <u> </u>           | <u> </u>                                | <u> </u>        | <u> </u>                            | $\vdash$                            | ldash    |
| ļ   |       | 90             | Ш         | lacksquare                          | igspace                             | ldash              | <u> </u>                                | Ш               | $\vdash$                            | $\vdash$                            | $\vdash$ |
| -   |       | 91             |           | <u> </u>                            | <u> </u>                            | <u> </u>           | <u> </u>                                | <u> </u>        | <u> </u>                            | <u> </u>                            | <u> </u> |
| ١   |       | 92<br>93       | Щ         | lacksquare                          | $\vdash$                            | <u> </u>           | <u> </u>                                | $\vdash$        | $\vdash$                            | <u> </u>                            | <u> </u> |
| -   |       | 93             | Щ         | <u> </u>                            | <u> </u>                            | <u> </u>           | <u> </u>                                | $\vdash$        | <u> </u>                            | <u> </u>                            | <u> </u> |
|     |       | 94             | <u> </u>  | <u> </u>                            | <u> </u>                            | <u> </u>           | <u> </u>                                | <u> </u>        | <u> </u>                            | <u> </u>                            | <u> </u> |
|     |       | 95             | $\vdash$  | <u> </u>                            | <u> </u>                            | <b> </b>           | <del> </del>                            | $\vdash$        | <u> </u>                            | $\vdash$                            | $\vdash$ |
|     |       | 96             | $\vdash$  | <u> </u>                            | <u> </u>                            | <u> </u>           | $\vdash$                                | <u> </u>        | -                                   | $\vdash$                            | <u> </u> |
| ١   |       | 97             | $\vdash$  | <u> </u>                            | <u> </u>                            | <u> </u>           | <u> </u>                                | <u> </u>        | <u> </u>                            | <u> </u>                            | <u> </u> |
| ١   |       | 98             | $\vdash$  | <u> </u>                            | <del> </del>                        | <del> </del>       | $\vdash$                                |                 | $\vdash$                            | $\vdash$                            | $\vdash$ |
| ١   |       | 99             | $\vdash$  | <u></u>                             | $\vdash$                            | $\vdash$           | <u>—</u>                                | -               | <u> </u>                            | ⊢                                   | $\vdash$ |
| - [ |       | 100            |           |                                     |                                     |                    |   | <u> </u>        | <u></u>                             | L                                   | L        |

| CI       | Claim      |          | Date     |          |  |              |              |  |          |              |  |  |
|----------|------------|----------|----------|----------|--|--------------|--------------|--|----------|--------------|--|--|
| Final    | Original   |          |          |          |  |              |              |  |          |              |  |  |
|          |            |          |          |          |  |              |              |  |          |              |  |  |
|          | 101<br>102 |          |          |          |  |              |              |  |          |              |  |  |
| L        | 102        |          |          |          |  |              |              | L  |          |              |  |  |
|          | 103        |          |          |          |  |              | _            | _  |          |              |  |  |
|          | 104        |          | _        |          |  |              |              | _  |          |              |  |  |
| -        | 105        | _        | <u> </u> | <u> </u> | _  |              | _            | _  | _        |              |  |  |
| -        | 106        |          | _        |          | _  | _            | _            | _  |          |              |  |  |
| -        | 107<br>108 |          | ┝        | -        | -  | -            | -            | -  | -        |              |  |  |
| $\vdash$ | 109        | -        | $\vdash$ | $\vdash$ | Н  | $\vdash$     | $\vdash$     | -  | ⊢        | _            |  |  |
| -        | 110        |          | ├        | $\vdash$ | $\vdash$   |              | -            | _  | H        | -            |  |  |
| -        | 111        | _        | -        | _        | ┝  |              | _            | $\vdash$   | -        | -            |  |  |
| -        | 112        | $\vdash$ | -        | _        | $\vdash$   |              | -            | <del>                                     </del> |          | ┝            |  |  |
| -        | 112<br>113 | _        |          | $\vdash$ |  | _            | -            |  | -        | -            |  |  |
| -        | 114        |          |          | $\vdash$ |  | $\vdash$     |              | $\vdash$   | 1        | _            |  |  |
|          | 115        |          | Г        | $\vdash$ |  | Т            |              | $\vdash$   |          |              |  |  |
|          | 116        | П        | Г        | Г        |  |              |              | Ι  |          |              |  |  |
|          | 117        |          |          |          |  |              |              |  |          |              |  |  |
|          | 118        |          |          |          | Г  |              |              |  |          |              |  |  |
|          | 118<br>119 |          |          |          |  |              |              |  |          |              |  |  |
|          | 120        |          |          |          |  |              |              |  |          |              |  |  |
|          | 121<br>122 |          |          |          |  |              |              |  |          |              |  |  |
|          | 122        |          |          |          |  |              |              | L  |          |              |  |  |
| L        | 123        |          | 乚        | <u> </u> | L  |              | _            |  |          | _            |  |  |
| <u></u>  | 124<br>125 | L        | L        | _        |  |              |              |  |          |              |  |  |
|          | 125        |          | _        | ļ        |  |              | L.           | _  | _        | <u> </u>     |  |  |
| <u> </u> | 126<br>127 |          | _        | _        | _  |              |              |  | <u> </u> | <u> </u>     |  |  |
| <u> </u> | 127        | _        | <u> </u> | ļ        | <u> </u>   |              | _            |  | <u> </u> | <u> </u>     |  |  |
|          | 128        | _        | _        | <u> </u> | <u> </u>   | _            | _            | _  | _        |              |  |  |
|          | 129<br>130 | _        | <u> </u> | _        | ⊢  | -            | <del> </del> |  | ⊢        | ├-           |  |  |
| <b> </b> | 131        | -        | $\vdash$ | ⊢        | $\vdash$   |              | <u> </u>     | -  | ⊢        | -            |  |  |
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| -        | 132<br>133 |          | -        | -        | $\vdash$   | ┢            | <del> </del> | -  | ┢        | -            |  |  |
| $\vdash$ | 134        |          | -        | _        | ┝  | ┢─           | ┢            | $\vdash$   | ┢        | -            |  |  |
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|          | 139        |          |          |          |  |              |              |  |          |              |  |  |
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|          | 141        |          |          |          |  |              |              |  |          |              |  |  |
|          | 142        |          |          |          |  | 匚            |              | $\Box$   | 匚        | $\Box$       |  |  |
|          | 143        |          |          |          |  |              |              | <u> </u>   | L_       | _            |  |  |
|          | 144        | _        | L.       | <u> </u> | _  | Ц            | <u> </u>     | <u> </u>   | L_       | <u> </u>     |  |  |
|          | 145        | _        | <u> </u> | Щ.       |  | <u> </u>     | <u> </u>     | <u> </u>   |          | <u> </u>     |  |  |
| <u> </u> | 146        | L_       | <u> </u> | <u> </u> | _  | <u> </u>     | <u> </u>     | <u> </u>   | <u> </u> | <b> </b>     |  |  |
|          | 147        |          | <u> </u> | <u> </u> | <u> </u>   | ⊢            | <u> </u>     | <del> </del>                                     | <u> </u> | <u> </u>     |  |  |
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| 1        | 149        | -        | -        | -        | ├-   | $\vdash$     |              | -  | $\vdash$ | $\vdash$     |  |  |
| L        | 150        | <u>_</u> | L_       | <u> </u> | <u></u>  | <u></u>      | L            | <u> </u>   |          | Щ.           |  |  |